WHAT IS CLAIMED IS:

1. An image input apparatus that inputs an image of an original, comprising:

photoelectric conversion means including a first line sensor and a second line sensor, the first line sensor being composed of a plurality of line sensors having different color filters on light receiving surfaces thereof, and the second line sensor having no color filter on a light receiving surface thereof; and

correction means for correcting output signals from the plural line sensors of the first line sensor of the photoelectric conversion means, using an output signal from the second line sensor of the photoelectric conversion means.

2. The image input apparatus according to claim 1, wherein the photoelectric conversion means is configured such that the first line sensor is composed of a RED line sensor having a RED color filter, a GREEN line sensor having a GREEN color filter and a BLUE line sensor having a BLUE color filter, and a size of each of photodiodes, which constitute each of the RED line sensor, GREEN line sensor and BLUE line sensor, is greater than a size of each of photodiodes, which constitute the second line sensor.

3. The image input apparatus according to claim 1, wherein in the photoelectric conversion means the second line sensor has a higher resolution than

each of the line sensors that constitute the first line sensor.

4. The image input apparatus according to claim 1, wherein the correction means performs correction by executing a resolution-enhancing process for each of output signals from the plural line sensors that constitute the first line sensor, using the output signal from the second line sensor.

5. The image input apparatus according to claim 1, wherein the correction means executes a resolution-enhancing process for each of output signals from the plural line sensors that constitute the first line sensor, using the output signal from the second line sensor, and outputs each of the output signals that are subjected to the resolution-enhancing process and the output signal from the second line sensor.

6. The image input apparatus according to claim 1, wherein the correction means executes a resolution-enhancing process for each of output signals from the plural line sensors that constitute the first line sensor, using the output signal from the second line sensor, and outputs each of the output signals that are subjected to the resolution-enhancing process.

7. An image input apparatus that inputs an image of an original, comprising:

photoelectric conversion means including a first line sensor and a second line sensor, the first line

sensor being composed of a plurality of line sensors
having different color filters on light receiving
surfaces thereof, and the second line sensor having no
color filter on a light receiving surface thereof;

5   image region discrimination means for discriminat-
ing an image region of each of output signals from the
plural line sensors that constitute the first line
sensor, and outputs discrimination information; and

      correction means for correcting, on the basis of
10 the discrimination information from the image region
discrimination means, the output signals from the
plural line sensors of the first line sensor of the
photoelectric conversion means, using an output signal
from the second line sensor of the photoelectric
15 conversion means.

      8.   The image input apparatus according to
claim 7, wherein the photoelectric conversion means is
configured such that the first line sensor is composed
of a RED line sensor having a RED color filter, a GREEN
20 line sensor having a GREEN color filter and a BLUE line
sensor having a BLUE color filter, and a size of each
of photodiodes, which constitute each of the RED line
sensor, GREEN line sensor and BLUE line sensor, is
equal to a size of each of photodiodes, which
25 constitute the second line sensor.

      9.   The image input apparatus according to
claim 7, wherein the image region discrimination means

discriminates a position of a black part such as
a black character or a black line of each of the output
signals from the plural line sensors of the first line
sensor, and outputs discrimination information.

10. The image input apparatus according to
claim 7, wherein the correction means performs correc-
tion by executing, on the basis of the discrimination
information from the image region discrimination means,
a black character substitution process for each of the
output signals from the plural line sensors of the
first line sensor, using the output signal from the
second line sensor.

11. The image input apparatus according to
claim 7, wherein the correction means executes, on
the basis of the discrimination information from the
image region discrimination means, a black character
substitution process for each of the output signals
from the plural line sensors of the first line sensor,
using the output signal from the second line sensor,
and produces the output signals, which are subjected
to the black character substitution process, and the
output signal from the second line sensor.

12. The image input apparatus according to
claim 7, wherein the correction means executes, on
the basis of the discrimination information from the
image region discrimination means, a black character
substitution process for each of the output signals

from the plural line sensors of the first line sensor,
using the output signal from the second line sensor,
and produces the output signals that are subjected to
the black character substitution process.

5   13. An image processing method for an image input
apparatus that inputs an image of an original,
comprising:

scanning the original using photoelectric
conversion means including a first line sensor and

10   a second line sensor, the first line sensor being
composed of a plurality of line sensors having
different color filters on light receiving surfaces
thereof, and the second line sensor having no color
filter on a light receiving surface thereof; and

15   correcting output signals from the plural line
sensors of the first line sensor, using an output
signal that is produced from the second line sensor of
the photoelectric conversion means by the scanning of
the original.

20   14. The image processing method according to
claim 13, further comprising:

discriminating an image region of each of output
signals from the plural line sensors that constitute
the first line sensor of the photoelectric conversion

25   means, and outputs discrimination information; and

correcting, on the basis of the discrimination
information, the output signals from the plural line

sensors of the first line sensor of the photoelectric
conversion means, using an output signal from the
second line sensor of the photoelectric conversion
means.